

**ABSTRACT OF THE DISCLOSURE**

An active-matrix organic light emitting diode display. The active-matrix organic light emitting diode display comprises an organic light emitting diode, a first driving transistor, a second driving transistor and a switch transistor. The switch transistor connects and switches the first and second driving transistors. The first driving transistor connects an anode of the organic light emitting diode and a first driving voltage having a first waveform. The second driving transistor connects an anode of the organic light emitting diode and a second driving voltage having a second waveform, wherein the first waveform and the second waveform are complementary to alternatively drive the organic light emitting diode.